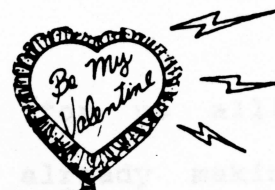


the CARRIER



W6CX



the MOUNT DIABLO AMATEUR RADIO CLUB

VOLUME XXXVII - ISSUE 2 - FEBRUARY 1989

MDATV TO COVER NASA LAUNCH FEBRUARY 23

NASA LAUNCH FEBRUARY 23 TO BE
TELEVISED BY MDATV GROUP
By Mike Scott, N6GOZ

NASA announcements of day-to-day events preceeding the launch will be distributed to members at the next Club meeting February 17.

The launch will occur at 7:30 A.M. Eastern time, 4:30 local time. The W6CX repeater will be on the air 2 hours before launch time.

If you need information or help with video or ATV problems, any of the following members of MDATV have indicated a willingness to help:

Mike Scott	N6GOZ	415-264-2393
Joe Campbell	KD6DY	-939-6567
Don Smith	W6NKF	-372-8777

Livermore Group

Chuck	WA6BYE	415-449-1885
-------	--------	--------------

Sacramento Group

Jim Buckman	N6HOS	916-428-6589
-------------	-------	--------------

South Bay Group

Brent Simons		408-241-3508
--------------	--	--------------

BY-LAWS UPDATING AND REVISIONS
By George Jones, KI6YK

The proposed updating and revision of the MDARC Constitution and By-Laws that was discussed in the January CARRIER were approved, with the exception of Article II, by the required majority of members present at the January 20th MDARC meeting. At the January 24 Board meeting the same 5 members resubmitted a new Article II revision which omits the objectionable parts. These were approved by the Board.

There follows, ON PAGE 4, a copy of that proposed Article II revision which is to be voted on at the February 17 MDARC meeting. As before, lined text is to be deleted and bold, underlined text inserted.

Please study these changes carefully so that you may be informed when the vote is taken.

CELLULAR TELEPHONES TECHNOLOGY

.... and the mechanics thereof, will be the subject of our guest speakers at the next regular Club membership meeting on February 17, 1989.

WAYNE LEUK, Senior Radio Engineer, and MIKE SCOTT, N6GOZ, both with G.T.E. Mobile Net, will be the featured speakers.

AMATEUR RADIO EXPANDING IN CHINA

Until now, China's rules permitted only Club stations to use BY prefixes. Soon, you will also hear individual stations with BG prefixes, special event stations using BT prefixes and foreign operator stations using BW prefixes.

(W5YI Report 12/1/88)

AMATEUR TELEVISION NEWS
By Mike Scott, N6GOZ

1989 started with a bang for ATV viewers with a live downlink from Southern California via commercial satellite. The Rose Bowl parade is one of the biggest public service events for Southern California amateurs with several hundred being involved including 50 or so ATV'ers. The ATV portion was uplinked to Galaxy 2 courtesy of Hughes Satellite Group and was then downlinked via the 12' Earth Station at our Walnut Creek Teleport. From there the signal was retransmitted to Diablo on 1.2 GHz for distribution via the W6NKF ATV repeater. The telecast was introduced by TV's Michael Landon of Bonanza fame and featured a great video tape explaining ATV and what the group was doing and how it was done. Then followed the parade, complete with audio from the 220 repeater in the area used for coordination and logistics. The final shots, some three hours later, featured a full set of credits listing all amateurs who took part and an address for QSL cards. This was an outstanding example of technical competence and application matched with some great coordination and logistics staged by a dedicated group of people.

January provided more action on ATV. Members of MDATVA had the opportunity to view high flying TV via the "ATV Balloon Flight" that featured an ATV transmitter and camera package aboard a helium-filled weather balloon. The balloon was expected to reach 80,000 to 100,000 feet and produce ATV pictures over much of California and also Nevada. This project is being coordinated by WB8ELK sponsored by companies whose equipment will be used in the tests. The whole package including the balloon is some 45 feet tall and includes a parachute, radar, reflector and the transmitter package which included a color CCD camera. We were planning to re-transmit the live pictures from Mojave to Diablo for local viewing, but due to the flight date which clashed with the Super Bowl, we were unable to provide the required man power and equipment resources. The flight will be shown via tape at a later date.

Mike RMT and Mike GOZ got up at the crack of dawn and transported a receiving station up the mountain to monitor the event, but despite big antennas and preamps, not a sight or sound was heard from the high flying balloon. Our valiant attempts were recorded on tape and should make for some funny viewing at a future date.

The next big event for ATV will be the shuttle mission currently scheduled for launch on February 23rd. There is no classified cargo so we expect full coverage commencing several hours before lift-off and continuing until several hours after landing. The previous mission produced 17-hour continuous transmit periods for the repeater over several days and was a true smoke test for the system. The coverage is controlled by an event timer which keys the transmitter up and down with daily coverage usually around 3AM, ending around 5PM. The reason for no evening coverage is; when there is only a single crew, sleep times are scheduled during evenings.

I would like to thank Jay Watson of Watson Communications for his assistance and advice, and for providing the great sites that enable us to pursue our hobby. Most of the high level amateur repeaters in the Bay area are located on Watson Communication sites.

Check into the ATV net Thursday evenings at 8PM 147.060/R+ for info or help with your video or ATV problems.

REPEATERS

147.06/+ 223.74/- 441.325/+

NETS: RACES, CLUB, ATV, HF

RACES/ARES NETS

EVERY THURSDAY 1900 HOURS

>CENTRAL C.C.COUNTY 145.680/S<

JAMES HOUSE, KA6IVF, E.C.

372-0345

>EAST C.C.COUNTY 146.540/S<

WM. VAN VOORHIS, WA6ZFZ, E.C.

754-1214

>SOUTH C.C.COUNTY 146.355/+R<

DR. GEORGE JONES, K16YK, E.C.

837-9316

>WEST C.C.COUNTY 145.110/-R<

JAMES CROOKE, KB6JEC, E.C.

529-1900

QSY TO 147.735/-R AT 1920 HOURS

>MT. DIABLO AMATEUR RADIO CLUB NET<

THURSDAYS 1930 HOURS 147.06/+R

JAY CALDIS KT6Y NET CONTROL

>ATV NET FOLLOWS AT 2000 HOURS<

MIKE SCOTT N6GOZ NET CONTROL

DON SMITH W6NKF ALTERNATE

CONTRA COSTA COUNTY EMERGENCY

RADIO SERVICES HF NET

FIRST THURSDAY FOLLOWING THE FIRST

WEDNESDAY 2000 HOURS 3895 KHz

HANK BERRYMAN, W6ZHY, AEC 934-9659

SHERIFF's RESERVE GROUP

FOR ALL INFORMATION CONTACT:

LARRY KAYE W6CPO COOR. 933-6357

FREDA LUCIDO N6PWT 228-3609

BRAD WATSON WA6AEO 676-8239

OTHER CONTRA COSTA COUNTY A.R. NETS

>CONTRA COSTA REPEATER ASSOCIATION<

EVERY MONDAY 7:35PM 147.735/-R

>PLEASANT HILL AMATEUR RADIO CLUB <

EVERY WEDNESDAY 7:30PM 147.735/-R

>7:05 PM NET SUNDAYS 146.895/-R<

Via Packet

PRESIDENTIAL QRM

Your President is on the prowl for a new auction chairman! Scott Thomas N6LGB will be doing our April auction but has decided he can no longer keep this wonderful job to himself! This task requires a special person (like we know Scott has been for us), who has access to a pick-up truck to haul equipment that is donated to the Club. A person who has some storage space to keep it until the auction and to fiddle, tinker, and tag it! A strong back would be helpful as well as a good ear and kind words for the people donating equipment (most of whom have lost that special ham in their life). I am really in desperate need of your help right now. If the above description sounds like it fits you please see me as soon as possible. Since Scott will be doing the April auction this would be a good opportunity for the new person to be trained on our auction procedures.

We have also decided to move our auction to a new location this year, one with more room to browse in. OUR NEW LOCATION WILL BE AT THE 'WILLOW CREEK CENTER' ON MOHR LANE IN PLEASANT HILL. (This was where our last Christmas party was held for those of you who attended.).

I was happy to see so many people at last month's meeting! We had a great turn-out and accomplished quite a bit of Club business regarding changes in our By-Laws. I want to thank the Club for its show of support, passing the majority of issues that were up for changes and letting us know exactly what it is you want to see in our amended by-laws. As I stated at the last meeting, I have always wanted your ideas and input. I value your opinions and I look forward to hearing from you either by telephone or in person. We always want Club members to get involved with Club projects, there is plenty of work

to go around for us all! Please plan to help.

We are already making plans for our next Christmas party and I would like you all to please mark your calendars for the third Friday of December, that is the 15th. I want no excuses that you didn't know far enough in advance!

One last comment, I am happy to see two of our youngest ham club members, Brian and Andrew showing up at our meetings. It is great to see them so interested at such a young age. (I especially like it because now I can't be accused of being the shortest person around!). When they have to get up on a chair to be seen that's short!

I look forward to seeing you all on February 17th.

73, Vicki N6KLS

MDARC RADIO CLASSES
By Jay Caldis, KT6Y
Education Chairman

The MDARC radio classes for NOVICE, TECHNICIAN, GENERAL, ADVANCED and EXTRA class licenses will start February 27, 1989 (Monday evenings) from 7 PM to 9 PM and continue for ten weeks through May 8.

There will be individual theory and code classes for all levels of licenses (see below).

The classes will be held at College Park High School on Viking Drive in Pleasant Hill.

7:00 to 8:00 PM	8:00 to 9:00 PM
Novice Code	Novice Theory
General Theory	General Code
Technician Theory	Advanced Theory
Extra Code	Extra Theory

N O C H A R G E S O R F E E S

For additional information contact:

Jay KT6Y 939-1893

Scott N6LGB 685-3784



ARTICLE II CLUB-OFFICERS DUTIES AND/OR AUTHORITY

Sec. 1 PRESIDENT

1.1 His Duties shall be to call and preside over all official meetings.

1.2 He Shall appoint all necessary committee chairpersons.

Sec. 2 VICE-PRESIDENT

2.1 His Duties shall be to assist the President in the discharge of his the President's duties and to preside in his the President's absence.

2.2 He Shall also be the program Chairperson.

Sec. 3 Secretary

3.1 Shall record the minutes of all official meetings and maintain a record of each for the inspection of-the-Board-or by Club members.

3.2 Shall execute all necessary correspondence.

3.3 Shall maintain all the Club Historical records.

Sec. 4 Treasurer

4.1 Shall accept and record all monies and properties of the Club.

4.2 Shall maintain a true and complete account of all Club assets and liabilities and prepare a signed Semiannual Report, as of June 30th and December 31st, for the inspection of-the Board-or by Club Members.

Sec. 5 EMERGENCY COORDINATOR

5.1 Shall coordinate Club activities with-all-emergency agencies- with RACES/ARES officials.

5.2 Shall maintain all records of information pertaining to those activities.

5.3--Shall-make-a-quarterly-report-to-the-Club-Membership.

Sec 6 BOARD OF DIRECTORS

6.0 6.1 The Board of Directors shall consist of the Officers, two Directors, and Emergency Coordinator, all of whom shall be voting members, and are expected to attend all Board meetings.

6.1 6.2 Shall meet and conduct general overall plan of the Club activities.

6.2 6.3 Shall consider and pass all applications for membership. This responsibility may be delegated to a Membership Chairperson.

6.3 6.4 Shall be empowered to authorize payment of any bills ~~(a)-for-items-to-be-resold-by-the-club,-or-(b)~~ not exceeding ~~\$50.00~~ \$100.00 unless an approved budget item.

6.4 6.5 The Board of Directors may appoint a duly qualified regular Club Member to fill out the unexpired term of any office vacated by declination, resignation, death or removal.

6.5 6.6 The two Board-Members Directors shall be elected from licensed amateurs of the membership. to-attend-Board-meetings: One Board-Member Director shall be elected on-the-first-of each year, term of office to last two years. The second Board-Member Director to be elected the following year for a two year period.

6.7 The Emergency Coordinator shall be a licensed amateur elected from the membership.

-6.6-Any-Article-and/or-section-of-the-By-Laws-may-be-amended-by petition-to-the-Board-of-Directors,-accompanied-by-signatures-of five-regular-Club-Members---Approval-of-a-proposed-amendment-by a-majority-of-the-Board-will-then-bring-the-proposed-amendment to-publication-in-the-CARRIER-and-then-the-next-regular-Club meeting-where-it-may-be-acted-upon,-and-if-two-thirds-of-all members-present-vote-in-favor-of-such-amendment-it-shall-appear as-a-by-law:-

6.8 An amendment to the by-laws may be initiated by the Board of Directors or by written request to the Board of Directors signed by five members of the Club. In order to be effective the proposed amendment shall be approved by the Board of Directors, published in the CARRIER, and approved by two-thirds of the members present at the next regular membership meeting following such publication.

MDARC MEMBERSHIP DIRECTORY UPDATE by George Jones, K16YK

We welcome the following new members who have joined MDARC in the past month:

ANDERSON, Carl; AA6IM, Extra; 4062
Sacramento St., Concord, CA
94521

BLANGSTED, Erik; K6EBJ, General; 5240
Clarewood Dr., Oakland, CA
94618 (415)-655-0705(h)
(415)-542-7471(w)

BUCKMAN, Barbara; KB6AWT, Novice
7454 Henrietta Dr., Sacramento,
CA 95822 (916)-428-6589(h)
(916)-441-5234(w)

GAY, Michael A.; N6RPQ, Technician
1771 Broadway St. #317,
Concord, CA 94520; (415)-687-
0470(h) (415)-820-5550(w)

JAHN, Bruno; Technician; 330 Murindo
Pl., San Ramon, CA 94583
(415)-837-4261(h)
(415)-847-6336(w)

KIRKMAN, George O.; WA6DKG, Tech-
nician; 1620 Barnett Cir.,
Pleasant Hill, CA 94523

MARTEL, Joyce; KB6UCI, Novice; 324
Yosemite Dr., Livermore, CA
94550 (415)-455-8870(h)

PERRY, Debora A. (Debbie); N6TDY,
Technician; 1441 St. James
Pkwy., Concord, CA 94521
(415)-680-7676(h)

PETERSON, Don L.; KB6UWR, Novice
2503 Santa Rita Rd. #51,
Pleasanton, CA 94566; (415)-
426-1597(h) (415)-778-2393(w)

STEELE, Robert (Bob); WB6AIH, Tech-
nician; 213 Netherby Pl.,
Pleasant Hill, CA 94523; (415)-
664-6789(w)

STUART, John W.; KC6AXS, Technician
3449 Solana Ct., Lafayette, CA
94549 (415)-283-2797(h)
(415)-973-3256(w)

STYLES, Elizabeth E. (Liz); SWL
1910 Sunshine Dr., Concord, CA
94520 (415)-676-2186(h)

WALTMAN, Chuck; N0CW, Extra; 962
Getoun Dr., Concord, CA 94518
(415)-685-3483(h)
(415)-836-0910(w)

Congratulations to the following on their upgrades and/or new calls. Although some of these may not be very recent, they were just called to our attention:

ANTHONY, Donald: N6SIA
HAWS, Marsden: N6TAG
PARKER, Paul J.: Extra
SUNKEL, John: KJ6IR

Please help us keep your fellow hams up to date on you by letting us know right away if you upgrade, change your call or move. The club P.O. Box is the place to send the change.

=====

CLUB OFFICERS

=====

PRESIDENT
VICKI ZUMWALT N6KLS 458-4527
VICE PRESIDENT
DICK BROWN KT6X 676-9048
SECRETARY
JANE WALKER N6NVA 458-3164
TREASURER
DICK SCHULZE AA6DL 935-5000
EMERGENCY COORDINATOR
DEREK BROWN N6CUK 672-2055
BOARD MEMBERS
JAY CALDIS KT6Y 939-1893
JIM HOUSE KA6IVF 372-0345
=====

MEETING PLACE OF THE
MOUNT DIABLO AMATEUR RADIO CLUB

GRACE PRESBYTERIAN CHURCH
2100 TICE VALLEY BOULEVARD
WALNUT CREEK

NEXT REGULAR MEETING
FRIDAY, FEBRUARY 17, 1989 8 P.M.

VISITORS ALWAYS WELCOME

CLUB MAILING ADDRESS
P.O. BOX 23222
PLEASANT HILL, CA 94523

MEMBERSHIP-PUBLICATION-CIRCULATION
DR. GEORGE JONES, K16YK, CHAIRMAN
325 GLEN ARMS DRIVE
DANVILLE, CA 94526 837-9316

PUBLIC RELATIONS
PAUL JONES N6PAC 687-1265

'THE CARRIER' NEWSLETTER EDITOR
STAN CHRISTIAN
5450 CONCORD BLVD. #C4
CONCORD, CA 94521 672-0330

CONTRIBUTIONS TO 'THE CARRIER'
(1) BY MAIL OR TELEPHONE
(2) N6VV BBS 144.99 MHz

DEADLINE:----->LAST DAY OF THE MONTH

ANHEUSER-BUSCH BREWERY TOUR

By Paul Jones, N6PAC
Public Relations Chairman

A group of 14 amateurs, wives and friends of MDARC and PHARC toured the Anheuser-Busch Brewery in the Fairfield area Tuesday January 17, 1989. The guided tour was good, but noisy and thorough. Jay, KT6Y, cut the PL off 7060 for a couple of hours so we had good "talk-in" communications with HT's, which was very much appreciated.

=====

IF YOU ARE GOING ON VACATION, DON'T ANNOUNCE IT
OVER THE AIR. THERE ARE BURGLARS LISTENING !!!!

=====

ROCKY RIDGE REPEATER GROUP

MEMBERSHIP INFORMATION

- > Must belong to Mt. Diablo Amateur Radio Club
- > Must be present at meeting (exceptions possible)
- > Must show a copy of valid license (any class)
- > Prospective members must be sponsored by an RRRG member who has belonged to RRRG for one year

DUES STRUCTURE

Initiation fee \$10.00
Annual Dues 25.00
Add'l. family member 5.00
Reinstatement 10.00

1989 DUES ARE DUE AND PAYABLE. RENEW OR JOIN NOW!

cut along dotted line

CALL: _____

NAME: _____

ADDRESS: _____

CITY: _____ ZIP: _____

PHONE: (H) () - (W) () -

Mail dues and membership form to:

Norma Davis 3284 Withers Ave., Lafayette, Ca 94549

MDARC MONTHLY CLUB MEETING MINUTES
20 JANUARY 1989

Pres. Vicki N6KLS, called the meeting to order.

The Nov. minutes were approved. Up-grades and guests were introduced.

Treas. report: \$ 5571.23

Education: FREE Ham classes start 27 Feb. 1989. Monday 7-9 P.M.

New Emergency Coordinator Derek Brown N6CUK, and Publicity Chairman Paul Jones N6PAC were introduced.

Brad WA6AEO told about "Your Place Or Ours" on New Years Eve. 162 people were transported home.

The new set of By-Laws presented to the board, published in the Carrier and brought to the general membership were voted upon section by section.

Upon presentation of these published By-Laws, spokesman Paul Girard SWL, with five members in good standing, Stanford Christian WU6P, Art Mayoff VE2AQV, Scott Thomas N6LGB, Jerry McGlathery K6EUR, and Al Stone KB6KZ, wanted to present a new set of By-Laws, and have the ones to be voted on tonight tabled, until a later date. This motion was made, seconded voted upon by general membership and defeated.

Discussion took place over each section and the following are the results:

- | | |
|------------------------|----------|
| 1. By-Laws in preamble | Passed |
| 2. Article I | Passed |
| 3. " II | Defeated |
| 4. " III | Passed |
| 5. " IV | Passed |
| 6. " V | Passed |
| 7. " VI | Passed |
| 8. " VII | Passed |

At the next Board meeting the Board will go over the new By-Laws submitted by Paul Girard.

Glen KJ6EN made a motion we have extra copies of the By-Laws for new members, Lauren WA6CIE seconded it. Membership voted and passed it.

Brad WA6AEO suggested the By-Laws be put on packet BBS.

Dwayne W6LKE commended the By-Laws committee and Lauren WA6CIE seconded it.

Respectfully submitted,
Jane Walker N6NVA, Secretary
P.S. HAPPY VALENTINE'S DAY !!!

MDARC Board Meeting Minutes
January 24, 1989

Board Members present:

President	- Vicki	N6KLS
Vice Pres.	- Dick	KT6X
Treasurer	- Dick	AA6DL
Secretary	- Jane	N6NVA
Emer. Coor.	- Derek	N6CUK
Board Mem.	- Jay	KT6Y

Absent: - Jim KA6IVF

Committee Chairmen present:

Membership	- George	KI6YK
Door prizes	- Lauren	WA6CIE
Picnic	- George	WB6OFH

Guests:

Carson Taylor - K6TI

Vicki N6KLS, called the meeting to order and the last Board meeting minutes were approved.

George reported on plans for the club picnic. The date planned is 23 July 1989 so mark your calendars. Details to follow at a later date.

V.P. Dick reported on programs for this year. In February our speaker will talk about cellular telephones.

Treasurer Dick reported the club has \$6,199.92.

The Board decided to continue the \$2.00 charge for our door prize tickets.

The MDARC education classes will begin on 27 February 1989. They are being held at College Park High School, from 7-9 P.M.

Special Events: Scott Thomas, N6LGB, is running the April auction, but is asking to be

replaced as auction chairman after that. We are asking the membership's help in finding a replacement. Please see a Board member for details. Thank you so much, Scott, you have done one fine job.

We discussed moving the auction. Dick Brown made a motion to relocate and Jay Caldis seconded the motion. It will be held at the Willow Creek Center on Mohr Lane in Pleasant Hill.

Dick Brown made a motion we approve the by laws that were modified for presentation to the general membership at our February meeting. Look further in the Carrier for the modifications.

A new set of By-Laws were submitted at our last MDARC meeting for consideration by the board. The following six members signed this proposed set of By-Laws:

Paul Girard, SWL
S. Christian, WU6P
Art Mayoff, VE2AQV
Scott Thomas, N6LGB
Jerry McGlathery, K6EUR
Al Stone, KB6KZ

After review of these by laws a motion was made by Jay Caldis, seconded and a unanimous vote taken by the board, to reject these as the major points have already been covered in the most recently submitted by law revision, partially approved by the general membership. The balance which is being submitted here with in the Carrier for approval at our next general membership meeting.

Next board meeting is to be held at George Jones home on 21 February 1989, 7:30 PM

Respectfully submitted
Jane Walker, N6NVA
MDARC Secretary

MINUTES OF ROCKY RIDGE REPEATER
GROUP MEETING 1/18/89

Annual dues are now due and will be delinquent March 1. The

weekend after, the codes will be changed. If not paid, your auto-dial slot could be given away. Look for your renewal form in the February 'Carrier'.

Motion made and seconded to meet every other month on the third Wed. in the Willow Creek Center.

We have \$1254.64 in the bank and all bills paid. Needed equipment will take 600 bucks.

December minutes approved as published in the 'Carrier'.

We're going thru a complete system rebuild. Control boards to do the interlinking among the systems are being built. It would be nice to have some more folks volunteer to help when we have a work party at the site.

We're going to start having short technical programs at the meetings. We have some special interest groups who might be interested in putting on the entertainment portion of a meeting. We also talked about some field trips.

We'll be putting together a VHF field day contingent from the RRRG! We're also going to participate in selected public service events.

Next meeting will be important in that the steering committee will be asking for your approval on a proposed Statement of Policy and do's and dont's for repeater usage. We'll go through the changes item by item.

- NEW MEMBERS -

Bruno	N6QVN	Mike	KB6USJ
John	KC6AXS	Harry	WB6BIX
Ted	N6TRN	Bob	KC6ASR

Welcome to Rocky Ridge !

At future meetings, new members will need to have a sponsor who is a member of RRRG for one full year or more. A sponsor will act as a coach.

Respectfully submitted
Don, K7SDF, Secretary

Via Packet

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Anaheim Mgr.

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Between Disneyland &
Anott's Berry Farm
ATLANTA, GA 30340
6011 Buford Hwy
(404) 263-0700
Larry Mgr. WD4AGW
Doraville 1 mi. north of I-285

BURLINGAME, CA 94010
999 Howard Ave
(415) 342-5757
George Mgr. WB6DSV
5 miles south on 101 from SFO
OAKLAND, CA 94606
2210 Livingston St
(415) 534-5757
Al Mgr. WA6SYK
17N 5th Ave / 17S 16th Ave

PHOENIX, AZ 85015
1702 W. Camelback Rd
(602) 242-3515
Bob Mgr. K7RDH
East of Hwy 17
SAN DIEGO, CA 92123
5375 Kearny Villa Rd
(619) 560-4900
Tom Mgr. KM6K
Hwy 163 & Claremont Mesa Blvd

VAN NUYS, CA 91411
6265 Sepulveda Blvd
(818) 988-2212
Al Mgr. K6YRA
San Diego Fwy
at Victory Blvd
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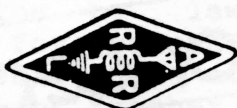
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Don't forget to renew your ARRL membership through the Club. Send us the card and money. We forward to the ARRL and get to keep \$2.00.



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1839 EAST STREET (across from Sailer's)
CONCORD, CA 94520 (415) 685-7388

The CARRIER

From:
Mt. Diablo Amateur Radio Club, Inc.
P.O. Box 23222
Pleasant Hill, Calif. 94523

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